**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Period:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Adopt – An Element**

**Requirements:**

1. **Complete an Adopt An Element fact sheet. (60% of grade)**

You may use a variety of reference sources. Possible ideas are encyclopedias and internet sites. Information must be written on the fact sheet, and then recorded in your webpage in <http://santorosciencerocks.pbworks.com> web page. The fact sheet attached will act as your rough draft. Once your rough draft is complete, you can transfer your answers onto the website. You must use complete sentences for each of the answers on the fact sheet.

You will need to provide a citation of all the sources that you used. Please use <http://easybib.com> to cite each source.

1. **Drawing Your Element (40% of grade)**

You will need to draw a diagram of your element, including protons, neutrons, and electrons. This atomic model will need to be colorful and neat.

**Adopt An Element Fact Sheet**

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Name of Element:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Symbol:\_\_\_\_\_\_\_\_\_\_**

**Atomic Number:\_\_\_\_\_\_\_\_\_\_**

**Atomic Mass:\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**# of Electrons:\_\_\_\_\_\_\_\_\_\_\_\_**

**# of Protons: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**# of Neutrons:\_\_\_\_\_\_\_\_\_\_\_\_\_ Show your work 🡪**

**Melting Point:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (unit)**

**Boiling Point:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(unit)**

**Normal phase of matter:\_\_\_\_\_\_\_\_\_\_\_**

**Classification:\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Density:\_\_\_\_\_\_\_\_\_\_\_\_g/cm 3**

**Color:\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date of Discovery:\_\_\_\_\_\_\_\_\_\_\_\_**

**Name of Discoverer:\_\_\_\_\_\_\_\_\_\_\_\_**

**Origin of Name(s): \_\_\_\_\_\_\_\_\_\_\_**

**What do each of the names mean?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\*Directions: Answer the following in complete sentences. Be sure to site your sources below using** [**http://easybib.com**](http://easybib.com)

**Uses:**

**Obtained From:**

**Common Compounds (must have at least one):**

**Interesting info: (May include important uses, interesting facts, common compounds, etc.)**

**1.**

**2.**

**3.**

**4.**

**5.**

**Picture of element:**

**Picture of something the element is used for:**

**Atomic Structure picture (make sure your circles are drawn accurately using stencils). This will be your rough draft, and you will need to make a final copy of your drawing on a nice sheet of white paper, and use colors. Be sure to label the protons (p+), electrons (e-), and neutrons (n°).**

**Citations (You must have at least three sources cited on** [**http://easybib.com**](http://easybib.com)**):**

**1.**

**2.**

**3.**

**Extra Credit: (Worth up to 20 points)**

**Create a 3-Dimentional model of your element. Make sure you have a nucleus, protons, neutrons, and electrons.**